HEAD, KNOCKOUT MOUSE CORE FACILITY



National Institute of Environmental Heath Sciences National Institutes of Health Research Triangle Park, North Carolina

The National Institute of Environmental Health Sciences, National Institutes of Health, in Research Triangle Park, North Carolina, is reopening the recruitment to fill the position of Head of the Transgenic Knockout Core Facility in the Division of Intramural Research. The successful applicant will be a Staff Scientist in the Laboratory of Reproductive and Developmental Toxicology and responsible for generating mutant mice using embryonic stem cells. Additional duties will include planning and providing scientific oversight in designing targeting vectors for the generation of knockout mice, and providing expertise in mouse genetics and embryology.

Minimum qualifications include a Ph.D., D.V.M., or M.D. and knowledge of mouse molecular genetics or related topics. Priority will be given to individuals with postdoctoral training that includes appropriate demonstrated experience in the design of targeting vectors, screening of embryonic stem cells, and mouse colony husbandry. For additional information concerning this position, contact Dr. Yuji Mishina at mishina@ niehs.nih.gov or by fax at 919-541-3800. Applications from women and minorities are particularly encouraged. The initial appointment is for five years and is renewable every five years thereafter. Salary will be commensurate with level of knowledge and experience of the appointee. Evaluation of applicants will begin July 23, 2001, and will extend until August 28, 2001, or until the position is filled. Interested parties should submit a curriculum vitae, bibliography, and brief statement of research interests, and arrange for the submission of three letters of recommendation to be sent to:

Ms. Tammy Locklear (Vacancy Number HNV 01-11) NIEHS Human Resource Management Branch P.O. Box 12233, Mail Drop EC-11 Research Triangle Park, NC 27709 USA ph: 919-541-3317, e-mail: locklea1@niehs.nih.gov

NIEHS/NIH is an equal opportunity employer

Environmental Institute Environmental Studies

Western Michigan University

The Environmental Institute and its Environmental Studies Program at Western Michigan University seek applications for a full-time tenure-track ASSISTANT PROFESSOR position in Environmental Biotechnology for Fall 2002.

The position will be based in the Environmental Institute with a joint appointment in an appropriate department. The position requires (1) a doctorate in cellular and molecular biology, toxicology, or a related field with an emphasis on environmental health; (2) a strong working knowledge of genomics, bioinformatics, and the use of gene chips and/or quantitative PCR; and (3) the desire to teach in an Interdisciplinary Environmental Studies Program. For full details, see Web site at http://www.wmich.edu/env. Please send a current CV, letter of application, statement of research and teaching goals, and three recommendation letters to: Dr. Charles Ide, Director, The Environmental Institute, Western Michigan University, 1903 West Michigan Avenue, Kalamazoo, MI 49008-5419. Fax: 616-387-2272; e-mail: charles.ide@wmich.edu. Review of applications will begin January 15, 2002, and applications will be accepted until the position is filled. Western Michigan University, a student-centered research university, encourages applications from underrepresented groups.

Announcing a

Faculty Position in Environmental Health

Yale University's School of Forestry & Environmental Studies invites applications for a new professorship in environmental health. Initial appointment will be untenured, at the assistant or associate professor level.

We seek applicants with a Ph.D. or M.D. degree in the area of environmental health, with disciplinary training in fields such as environmental epidemiology, toxicology, biostatistics, or risk assessment. Research interests might include the relations between human health and air quality, water quality, food safety, biological diversity, or climate change, and should be relevant to environmental policy and management.

Those interested should submit a copy of their CV, three relevant reprints or manuscripts, a brief statement of research interests, a statement of teaching interests, and the names and addresses of three references by January 15, 2002. Electronic applications are welcomed.

Send all materials to:
John Wargo, Chair
Environment and Health
Search Committee
Yale School of Forestry &
Environmental Studies
205 Prospect Street
New Haven, CT 06511
E-mail: john.wargo@yale.edu

Yale University is an equal opportunity/ affirmative action employer.

Yale University School of Medicine

Division of Environmental Health Sciences Department of Epidemiology and Public Health

The Division of Environmental Health Sciences in the Department of Epidemiology and Public Health at Yale is accepting applications for a Junior Faculty position. Rank and salary will be commensurate with experience.

The Division seeks candidates with a commitment to excellence in research and teaching in all aspects of environmental health. Candidates are encouraged to apply whose research interests complement ongoing divisional research in the following areas: environmental agents in asthma and cancer; biomarkers in exposure assessment; the etiology of environmental related diseases; and the interaction of the environment with genetic susceptibility. We are particularly interested in applicants whose research interests are directed toward the application of biomarkers of environmental exposure/effects or gene—environment interactions in asthma development, asthma severity, or cancer. The successful candidate will be expected to direct an externally funded research program and participate in teaching M.P.H., Ph.D., and M.D. students.

Research resources at Yale include several large cohorts being followed for asthma development and severity, an Asthma Specialized Center of Research (SCORE), the John B. Pierce Laboratory, Yale Comprehensive Cancer Center, and the Connecticut Surveillance Epidemiology End Results (SEER) site. Joint appointments with other departments in Yale School of Medicine and Pierce Laboratory are possible.

Applications will be reviewed as they are received. Interested applicants should send a full curriculum vitae, including funding history, a letter describing research interests and qualifications, and names and addresses of three persons who could provide references to: Brian P. Leaderer, Ph.D., EHS Search Committee Chair, Department of Epidemiology and Public Health, Yale University School of Medicine, 60 College Street, P.O. Box 208034, New Haven, CT 06520-8034. Please reply by January 11, 2002.

Yale is an equal opportunity/affirmative action employer, and welcomes applications from qualified women and minority candidates.

Department Chair Assistant Professor

Baltimore, MD. The Department of Geography & Environmental Systems at UMBC invites applications for two faculty positions, Department Chair and Assistant Professor, both beginning in August 2002.

Professor/Department Chair: Candidates for this position should already have attained the rank of full professor or senior associate professor and will have a distinguished record of scholarship, demonstrated excellence in teaching, superior administrative and leadership skills, and ability to attract external funding. In addition to our existing bachelor's degrees in geography, the department is inaugurating new degrees in environmental science and environmental studies and is actively exploring options for graduate education. We anticipate growth in enrollments, and we expect to recruit additional faculty for our program over the next several years. Our new chairperson will play a key role in these initiatives and in helping to expand on our growing relationships with campus-based research centers and with federal and state agencies. Commitment to maintaining a strong tradition of geographic research and education within an interdisciplinary context is essential. Research specialization is open, but we are particularly interested in attracting candidates with a background in environmental, medical, population, or urban geography.

Assistant Professor: Candidates must have completed the Ph.D. no later than August 2002 and are expected to have an active program of research and publication, ability to attract external funding, and evidence of commitment to teaching excellence. Preferred specialty is biogeography/landscape ecology with research interests in ecosystem dynamics, habitat and biodiversity, and urban ecosystems, but we will also consider candidates with background in climate and soils. Regardless of the area of expertise, teaching responsibilities will include introductory physical geography, at least one upper-level course in biogeography, and other upper-level courses in area of expertise. Experience in utilization of GIS and remote sensing as analytical tools that can be applied to problems introduced in upper-level courses is desirable.

The UMBC campus is located in close proximity to a broad array of federal, state, and local agencies as well as to other research institutions along the Washington-Baltimore-Philadelphia corridor. Research on urban ecosystems is facilitated through involvement with the new EPA-supported Center for Urban Environmental Research and Education and the Baltimore Ecosystem Study, an NSF- and U.S. Forest Service-funded Long-Term Ecological Research site whose head-quarters are located on campus. UMBC also has strong partnerships with NASA-Goddard Space Flight Center through the Joint Center for Earth Systems Technology and the Goddard Earth Sciences and Technology Center.

Interested candidates should visit the Web site http://www.umbc.edu/ges/search.htm for additional information about our program and about research opportunities. Please send a curriculum vitae, cover letter, and contact information for at least three references to:

Search Committee Chair
Dept. of Geography & Environmental Systems
UMBC
1000 Hilltop Circle, Baltimore, MD 21250.

Review of applications will begin on December 10, 2001, and will continue until the position is filled.

UMBC is an affirmative action/equal opportunity employer; minorities, women, and individuals with disabilities are encouraged to apply.

Postdoctoral Positions

Two POSTDOCTORAL POSITIONS are offered to study fundamental mechanisms of oxygen in angiogenesis, cellto-cell adhesion or free radical production/pathogenesis as well as the clinical effects of hyperbaric oxygen. Individuals with clinical experience who are interested in obtaining research training will receive special consideration. An exceptional opportunity exists for collaborative basic and clinical research as part of an NIH-funded Specialized Center of Research in Hyperbaric Oxygen Therapy. Interested candidates should submit curriculum vitae and names of three references to: Stephen R. Thom, M.D., Ph.D., Institute for Environmental Medicine. University of Pennsylvania, One John Morgan Building, 3620 Hamilton Walk, Philadelphia, PA 19104-6068.

Contact Person:

Stephen R. Thom, M.D., Ph.D. University of Pennsylvania Institute for Environmental Medicine One John Morgan Building 3620 Hamilton Walk Philadelphia, PA 19104-6068 Phone: 215.898.9095

Fax: 215.573.7037

Nutritional Toxicologist

Departments of Nutrition and Environmental Toxicology University of California, Davis

ASSISTANT/ASSOCIATE PROFESSOR

http://nutrition.ucdavis.edu/faculty/recruitment/

A tenure-track position is available in the Departments of Nutrition (80%) and Environmental Toxicology (20%) for an **Assistant/ Associate Professor and Assistant/Associate Nutritional Toxicologist** in the Agricultural Experiment Station, College of Agricultural and Environmental Sciences. The nine-month tenure/eleven-month term appointment requires teaching, research and service.

We are especially interested in individuals who have, or will establish, a strong research program in nutritional toxicology. The candidate must have demonstrated skills in areas important to molecular biology, metabonomics or proteomics. Strongest consideration will be given to those with a documented commitment to areas such as developmental toxicology and nutritional toxicology. The successful applicant will be expected to have or to develop an internationally recognized independent and well-funded research program, to teach at the undergraduate and graduate level, to train and supervise students and to collaborate with established programs within the Department and University. Applicants at the Associate level must have demonstrated excellence in research and teaching.

Send résumé, transcripts (official transcripts are required if the Ph.D. was granted in the past five years), list of publications, detailed statement of past experience and future research plans and teaching interests as well as the names of three references to: Dr. Robert Rucker, Chair, Search Committee, Nutrition Dept., One Shields Avenue, University of California, Davis, CA 95616-8588. E-mail: rbrucker @ucdavis.edu. Dr. Marion Miller, Chair, Department of Environmental Toxicology may also be contacted (E.Tox. Dept., One Shields Avenue, University of California, Davis, CA 95616-8588. E-mail: mgmillersears@ucdavis.edu). The position will remain open until filled; to assure consideration, applicants should apply by January 15, 2002.

The University of California, Davis, is an affirmative action/equal opportunity employer.

aff Clinician Vacancy

National Institute of Environmental Health Sciences National Institutes of Health Bethesda, Maryland

The National Institute of Environmental Health Sciences (NIEHS), National Institutes of Health (NIH), Public Health Service (PHS) is seeking a Staff Clinician to facilitate development of a new clinical research program in the role of genetic and environmental factors in the pathogenesis of autoimmune diseases at the Clinical Center in Bethesda. Staff Clinicians are physicians who spend a majority of their time providing critical clinical services to the NIH. The Staff Clinician is also expected to provide clinical leadership and the highest level of clinical care. The individual will work under the Chief of the Environmental Autoimmunity Group and collaborate closely with intramural laboratory programs to study the etiology, pathophysiology and natural history of patients with autoimmune diseases.

The successful candidate for this Staff Clinician position will have an MD degree or equivalent and Board Certification or Qualification in Internal Medicine and Rheumatology. Formal training in clinical research, experience in conducting clinical studies and evidence of scholarly achievements in these areas are highly desirable. A valid U.S. medical license is required. Salary will be commensurate with the level of education and experience. The initial appointment is for five years and is renewable every five years indef-

For additional information concerning this position, contact Frederick Miller, MD, PhD, Chief, Environmental Autoimmunity Group, Office of Clinical Research, NIEHS, NIH, Bethesda Maryland at 301-451-6273 or e-mail: millerf@mail.nih.gov. Applications from women and minority groups are particularly encouraged. Interested candidates should submit a curriculum vitae and bibliography, reprints of up to 3 relevant publications, a summary of clinical experience, current interests and professional goals, and 3 letters of reference to the contact shown below. Applications must be postmarked by December 14, 2001.

Ms. Tammy Locklear (Vacancy Number HNV01-17) NIEHS Human Resource Management Branch P.O. Box 12233, Maildrop EC-11 Research Triangle Park, NC 27709 ph: 919-541-3317; e-mail: locklea1@niehs.nih.gov

NIEHS/NIH is an equal opportunity employer

Laboratory of Molecular Toxicology

Synaptic and Developmental Plasticity (HNV 02-01)

Immediate openings for a biochemist/molecular biologist and an electrophysiologist to join a newly established research group that applies biochemical, molecular, and electrophysiological techniques to the study of synaptic plasticity in the adult and developing mammalian cortex. Projects include multidisciplinary studies of visual cortical circuitry, synaptic remodeling during development, and late-phase long-term potentiation and depression in the hippocampus

Applicants must not possess more than five years of postdoctoral experience. To apply, submit a cover letter, curriculum vitae, bibliography, and names of three references to the hiring scientist at the corresponding laboratory and mail drop in care of NIEHS, PO Box 12233, Research Triangle Park, NC 27709 USA. The cover letter should include the position title and HNV number. Preference will be given to applicants with strong backgrounds in molecular/cellular biology, biochemistry, histology, or electrophysiology. The NIEHS is an equal opportunity employer.

Contact: Serena M. Dudek, Laboratory of Molecular Toxicology, MD F2-04, 919-541-3275, fax: 919-541-4634, e-mail: dudek@niehs.nih.gov

NIEHS Laboratory of Signal Transduction

Signal Transduction by Inositol Phosphates (HNV 01-20)

This laboratory is recruiting an individual with experience in the area of biochemistry, molecular biology or electrophysiology. The successful applicant will join a productive research team that applies these various areas of technical expertise to the study of signal transduction by inositol phosphates. See http://dir.niehs.nih.gov/ dirlst/shears.htm for details of the laboratory's recent achievements.

Applicants must not possess more than five years of postdoctoral experience. To apply, submit a cover letter, curriculum vitae, bibliography, and names of three references to the hiring scientist at the corresponding laboratory and mail drop in care of NIEHS, PO Box 12233, Research Triangle Park, NC 27709 USA. The cover letter should include the position title and HNV number. The NIEHS is an equal opportunity

Contact: Stephen B. Shears, Laboratory of Signal Transduction, MD F2-06, 919-541-1898, fax: 919-541-0793, e-mail: shears@niehs.nih.gov

NIEHS Laboratory of Signal Transduction

Signal Transduction by Inositol Phosphates (HNV 01-21)

A position is available for a molecular biologist with experience in cell culture and a particular interest in transgenics. Experience with viral transfection systems is a plus. As well as furthering our understanding of the roles of inositol phosphate phosphatases in cell biology, transgenic animals with altered expression of these enzymes have commercial potential. The successful candidate will participate in a collaborative effort between Dr. Steve Shears at the NIEHS and Dr. Jim Petitte at NC State.

Applicants must not possess more than five years of postdoctoral experience. To apply, submit a cover letter, curriculum vitae, bibliography, and names of three references to the hiring scientist at the corresponding laboratory and mail drop in care of NIEHS, PO Box 12233, Research Triangle Park, NC 27709 USA. The cover letter should include the position title and HNV number. The NIEHS is an equal opportunity

Contact: Stephen B. Shears, Laboratory of Signal Transduction, MD F2-06, 919-541-1898, fax: 919-541-0793, e-mail: shears@niehs.nih.gov

Announcing a

Faculty Position in Environmental Health

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We seek applicants with a Ph.D. or M.D. degree in the area of environmental health, with disciplinary training in fields such as environmental epidemiology, toxicology, biostatistics, or risk assessment. Research interests might include the relations between human health and air quality, water quality, food safety, biological diversity or climate change, and be relevant to environmental policy and management.

Those interested should submit a copy of their CV, three relevant reprints or manuscripts, a brief statement of research interests, a statement of teaching interests, and the names and addresses of three references by January 15, 2002. Electronic applications are welcomed.

Send all materials to: John Wargo, Chair **Environment and Health** Search Committee Yale School of Forestry & **Environmental Studies** 205 Prospect Street New Haven, CT 06511 Email: john.wargo@yale.edu

Yale University is an equal opportunity/ affirmative action employer.

NIEHS Laboratory of Experimental Pathology

Molecular Pathology (HNV 00-20)

The focus of our laboratory is to extend the evaluation of environmental chemicals in rodent models from the cellular to the molecular level for both noncancer and cancer end points. The basis for this research is to provide a mechanistic understanding of the toxicologic or carcinogenic response in rodents and to provide a biologically based interpretation of its relevance to humans, and where applicable incorporate animal models of human disease. In noncancer research, our laboratory focuses on mechanisms of neuropathology and atherosclersosis, and in cancer research the focus is on mutations of oncogenes and tumor suppressor genes in rodent and human tumors. We are interested in a molecular biologist/toxicologist/pathologist with a background in medical sciences and with experience in PCR, RNA, and DNA analysis (other molecular techniques are desirable, as well). Excellent resources, numerous rodent samples and opportunities for collaboration are available.

Applicants must not possess more than five years of postdoctoral experience. To apply, submit a cover letter, curriculum vitae, bibliography, and names of three references to the hiring scientist at the corresponding laboratory and mail drop in care of NIEHS, PO Box 12233, Research Triangle Park, NC 27709 USA. The cover letter should include the position title and HNV number. The NIEHS is an equal opportunity employer.

Contact: Robert C. Sills, Laboratory of Experimental Pathology, MD A3-06, 919-541-0180, fax: 919-541-4714, e-mail: sills@niehs.nih.gov

NIEHS

Toxicology Operations Branch

Applied Toxicology and Carcinogenesis (HNV 01-12)

This is a nonlaboratory position devoted to gaining a fundamental understanding of the skills needed to perform all aspects of contracted studies of the toxicity of chemicals of interest to the National Toxicology Program. The position involves serving as a study scientist, which requires extensive participation and interactions with various scientific disciplines such as chemistry, pathology, toxicokinetics, epidemiology, statistics, and molecular biology. An in-depth study in one area of particular interest is also an available option. Applicants with a Ph.D. in toxicology or an allied science with an interest in pursuing a career in regulatory or industrial toxicology are encouraged to apply.

Applicants must not possess more than five years of postdoctoral experience. To apply, submit a cover letter, curriculum vitae, bibliography, and names of three references to the hiring scientist at the corresponding laboratory and mail drop in care of NIEHS, PO Box a12233, Research Triangle Park, NC 27709 USA. The cover letter should include the position title and HNV number. The NIEHS is an equal opportunity employer.

Contact: John Bucher, Toxicology Operations Branch, 919-541-4532, fax: 919-541-4255, e-mail: bucher@niehs.nih.gov

Laboratory of Molecular Carcinogenesis

Molecular Toxicology and Carcinogenesis (HNV 00-23)

A postdoctoral position is available in the Molecular Toxicology Group to investigate molecular alterations and gene expression changes during liver and lung chemical carcinogenesis in mouse models. Particular emphasis is on oxidative stress mechanisms involved following treatment with nongenotoxic carcinogens. Current projects include cDNA microarray analysis of livers after carcinogenic doses of nongenotoxic carcinogens, related studies on markers of oxidative stress, and studies on the role of beta-catenin and Wnt signaling in mouse liver carcinogenesis. The overall work environment is highly interactive, and there are excellent analytical and other support services. Extensive experience in molecular biology and biochemistry is required. Applicants must have

Applicants must not possess more than five years of postdoctoral experience. To apply, submit a cover letter, curriculum vitae, bibliography, and names of three references to the hiring scientist at the corresponding laboratory and mail drop in care of NIEHS, PO Box 12233, Research Triangle Park, NC 27709 USA. The cover letter should include the position title and HNV number. The NIEHS is an equal opportunity employer.

Contact: Theodora R. Devereux, Laboratory of Molecular Carcinogenesis, MD D4-04, 919-541-3241, fax: 919-316-4620, e-mail: devereux@niehs.nih.gov

Laboratory of Molecular Genetics

DNA Replication Fidelity (HNV 01-02)

To investigate molecular mechanisms of DNA polymerase fidelity using structure-function analyses both *in vivo* and *in vitro*, combining methods of microbial genetics, molecular genetics, and enzymology. Candidates should have strong analytical skills and a practical background in microbial genetics and/or molecular

Applicants must not possess more than five years of postdoctoral experience. To apply, submit a cover letter, curriculum vitae, bibliography, and names of three references to the hiring scientist at the corresponding laboratory and mail drop in care of NIEHS, PO Box 12233, Research Triangle Park, NC 27709 USA. The cover letter should include the position title and HNV number. The NIEHS is an equal opportunity employer.

Contact: John W. Drake, Laboratory of Molecular Genetics, MD E3-01, 919-541-3361, fax: 919-541-7613, e-mail: drake@niehs.nih.gov

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